

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-25 (canceled).

Claim 26 (previously presented): A gel electrolyte secondary cell comprising:  
a positive electrode;

a negative electrode comprising a current collector and a powder mixture composed of a graphite material having a mean particle size of 5 to 100  $\mu\text{m}$ ; and

a gel electrolyte comprising an electrolyte salt, a non-aqueous solvent and a high-molecular weight material,

wherein the non-aqueous solvent comprises propylene carbonate and ethylene carbonate,  
wherein a content of propylene carbonate ranges from 10 mol% to 75 mol%,  
and wherein the graphite material comprises sintered meso-carbon micro-beads.

Claim 27 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the high-molecular weight material contains a nitrile group in a side chain thereof.

Claim 28 (previously presented): The gel electrolyte secondary cell according to claim 27 wherein the high-molecular weight material is polyacrylonitrile.

Claim 29 (previously presented): The gel electrolyte secondary cell according to claim 28 wherein a molar ratio of an acrylonitrile monomer to the non-aqueous solvent is 5:95 to 30:70.

Claim 30 (previously presented): The gel electrolyte secondary cell according to claim 26, wherein the electrolyte salt of the non-aqueous solvent is  $\text{LiPF}_6$  and wherein a concentration of  $\text{LiPF}_6$  with respect to non-aqueous solvent is 0.4 mol/cm<sup>3</sup> to 2 mol/cm<sup>3</sup>.

Claim 31 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the positive electrode contains a lithium-containing compound.

Claim 32 (previously presented): The gel electrolyte secondary cell according to claim 31 wherein the lithium-containing compound is a complex compound of lithium and a transition metal.

Claims 33-34 (canceled).

Claim 35 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the non-aqueous solvent includes at least one compound selected from the group consisting of  $\gamma$ -butyrolactone, methyl ethyl carbonate and dimethyl carbonate in addition to propylene carbonate and ethylene carbonate.

Claim 36 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the high molecular weight material has a number average molecular weight ranging from 5000 to 500000.

Claim 37 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the content of propylene carbonate is between 35 mol% and 75 mol %.

Claim 38 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the powder mixture of the negative electrode comprises a polyvinylidene fluoride binder.

Claim 39 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the meso-carbon micro-beads are sintered at a temperature between 2500° C and 3500° C.

Claim 40 (new): The gel electrolyte secondary cell according to claim 26 wherein the specific surface area of the graphite type carbonaceous material as measured by the BET method ranges from 0.1 to 10 m<sup>2</sup>/g.

Claim 41 (new): The gel electrolyte secondary cell according to claim 26 wherein the non-aqueous solvent comprises 35 mol% propylene carbonate and 65 mol% ethylene carbonate.